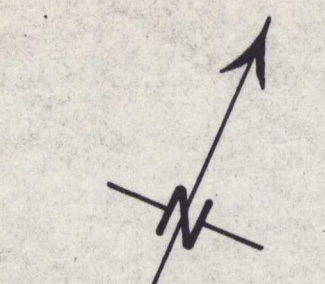


66° 01' N  
GREAT

BEAR

LAKE

118° 05' W



SPUD

BAY

HOY

BAY

BERTRAND

LAKE

WHALE

LAKE

BONANZA

LAKE

HOWARD

LAKE

EL BONANZA

PROPERTY

MILE

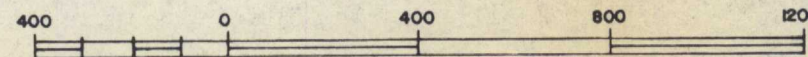
LAKE



COMMISSION GEOLOGIQUE DU CANADA  
MINISTRE DE L'ENERGIE, DES MINES ET DES RESSOURCES

**GEOLOGICAL MAP OF  
DOWDELL PENINSULA  
GREAT BEAR LAKE  
NORTHWEST TERRITORIES**

SCALE 400 feet = 1 inch



**LEGEND**

- INTRUSIVE ROCKS**
- KEWEENAWAN**
- 16 Coarse, greenish grey quartz diabase; commonly
  - 15 Fine to coarse, brownish grey diabase; locally amygdaloidal
  - 14 Foliated trap dykes, with feldspar phenocrysts and calcite amygdaloids
  - 13 Dowdell Point granite and related apfites
- PRE-KEWEENAWAN**
- 12 "Quartz-eye" porphyry dykes, probably related to 11
  - 11 Granodiorite-diorite complex; generally coarser and darker than 10
  - 10 Quartz monzonite; local granitic facies
- PROTEROZOIC**
- 9 Apatite; some quartz monzonite porphyry; probably border facies of 10; related dykes
- CAMERON BAY GROUP**
- 8 Medium-grained andesite porphyry; probably flows
  - 7 Fine to coarse conglomerate, with ferruginous matrix; some calcareous and argillite
- UPPER ECHO BAY SUBGROUP**
- 6 Massive and stratified tuff and breccia; some banded argillite and conglomerate separate many of the andesite flows (5)
  - 5A, 5B Mostly coarsely porphyritic andesites, representing lower parts of andesite flows; 5A, amygdaloidal andesites; some flow breccia; representing upper parts of andesite flows 5A; include some conglomerate with andesite fragments
  - 4 Dark, altered, fine-grained intrusive porphyries
- LOWER ECHO BAY SUBGROUP**
- 3 Tuff, dark tuffaceous sedimentary rocks; some breccia and conglomerate
  - 2 Fine to medium-grained porphyritic flows, including amygdaloidal parts
  - 1 Cherty banded argillites, (3) chert, quartzite; minor conglomerates; thin silt beds (L3) near base of exposed section
- Quartz veins, stockworks ——— □
- Gossan ——— □
- Bedding (inclined, vertical) ——— □
- Faults ——— vvv
- Shear, possible faulting, in granodiorite ——— |||||
- Schistosity ——— >>>
- Geological boundary ——— - - - - -
- Drift boundary ——— - - - - -
- Glacial strike ——— - - - - -
- Test pit, shaft, adit, building ——— □
- Pitchblende occurrence ——— U

Geology by M. Fenix, 1945, 1946  
Redrawn by H. Burki  
Drafting Services  
I. A. N. D.  
Yellowknife N.W.T. 15-JAN-73

OPEN FILE  
DOSSIER PUBLIC  
587  
1978  
GEOLOGICAL SURVEY  
COMMISSION GEOLOGIQUE  
OTTAWA